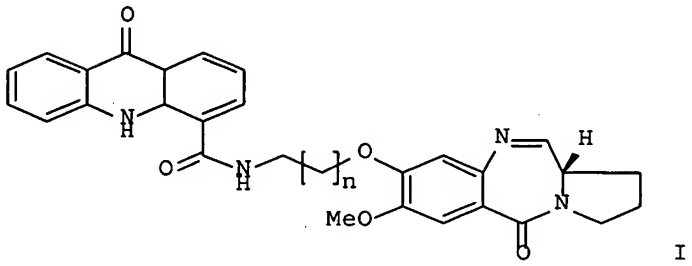
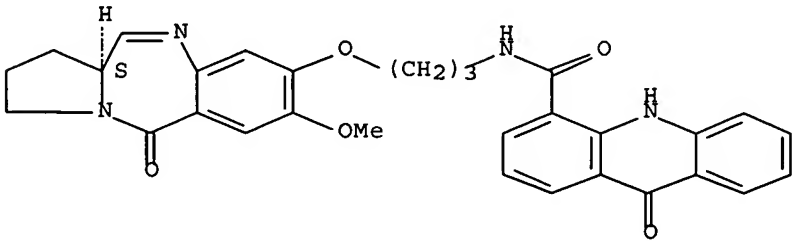
L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:523321 CAPLUS Full-text
DN 141:225474
TI Synthesis of C8-linked pyrrolo[2,1-c][1,4]benzodiazepine-acridone/acridine hybrids as potential DNA-binding agents
AU Kamal, Ahmed; Srinivas, O.; Ramulu, P.; Ramesh, G.; Kumar, P. Praveen
CS Division of Organic Chemistry, Indian Institute of Chemical Technology, Hyderabad, 500007, India
SO Bioorganic & Medicinal Chemistry Letters (2004), 14(15), 4107-4111
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science B.V.
DT Journal
LA English
OS CASREACT 141:225474
GI



I

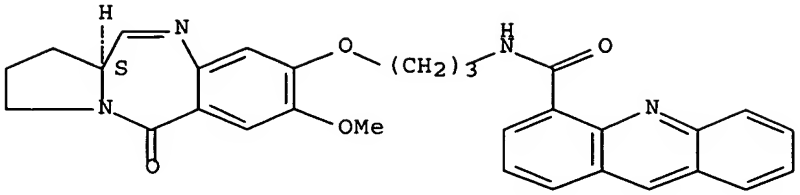
AB Pyrrolobenzodiazepine hybrids linked to acridone/acridine ring systems at C8-position have been designed and prepared These compds. exhibit significant DNA-binding affinity, and a representative compound (I, n = 2) shows promising in vitro anticancer activity.
IT **745014-20-4P 745014-21-5P 745014-22-6P 745014-23-7P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(synthesis of C8-linked pyrrolo[2,1-c][1,4]benzodiazepine-acridone/acridine hybrids as potential DNA-binding agents and antitumor agents)
RN 745014-20-4 CAPLUS
CN 4-Acridinecarboxamide, 9,10-dihydro-9-oxo-N-[3-[[(11aS)-2,3,5,11a-tetrahydro-7-methoxy-5-oxo-1H-pyrrolo[2,1-c][1,4]benzodiazepin-8-yl]oxy]propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



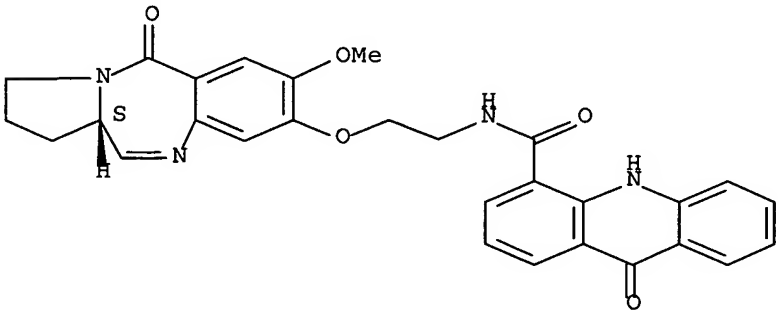
RN 745014-21-5 CAPLUS
CN 4-Acridinecarboxamide, N-[3-[[(11aS)-2,3,5,11a-tetrahydro-7-methoxy-5-oxo-1H-pyrrolo[2,1-c][1,4]benzodiazepin-8-yl]oxy]propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



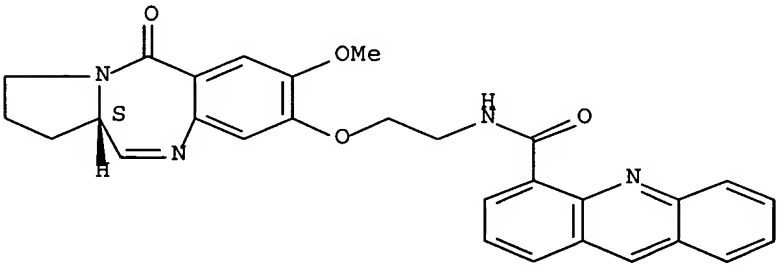
RN 745014-22-6 CAPLUS
CN 4-Acridinecarboxamide, 9,10-dihydro-9-oxo-N-[2-[[(11aS)-2,3,5,11a-tetrahydro-7-methoxy-5-oxo-1H-pyrrolo[2,1-c][1,4]benzodiazepin-8-yl]oxy]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



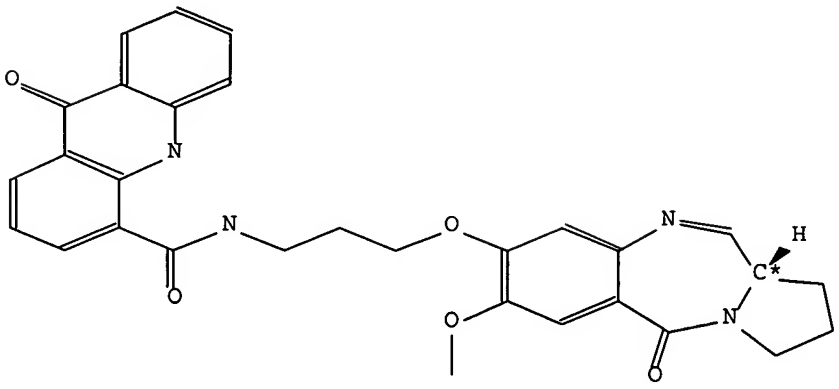
RN 745014-23-7 CAPLUS
CN 4-Acridinecarboxamide, N-[2-[[(11aS)-2,3,5,11a-tetrahydro-7-methoxy-5-oxo-1H-pyrrolo[2,1-c][1,4]benzodiazepin-8-yl]oxy]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L9 ANSWER 1 OF 4 BEILSTEIN COPYRIGHT 2005 BEILSTEIN MDL on STN

Beilstein Records (BRN):	9824975
Chemical Name (CN):	9-oxo-9,10-dihydro-acridine-4-carboxylic acid <3-(7-methoxy-5-oxo-2,3,5,11a-tetrahydro-1H-benzo<e>pyrrolo<1,2-a><1,4>diazepin-8-yloxy)-propyl>-amide
Autonom Name (AUN):	9-oxo-9,10-dihydro-acridine-4-carboxylic acid <3-(7-methoxy-5-oxo-2,3,5,11a-tetrahydro-1H-benzo<e>pyrrolo<1,2-a><1,4>diazepin-8-yloxy)-propyl>-amide
Molec. Formula (MF):	C30 H28 N4 O5
Molecular Weight (MW):	524.58
Lawson Number (LN):	29107, 27041, 3131, 289
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	8276362
Tautomer ID (TAUTID):	9204410
Entry Date (DED):	2005/01/21
Update Date (DUPD):	2005/01/21

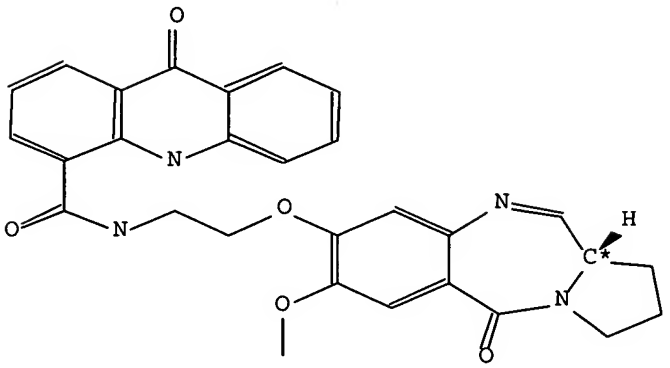


Reference(s):

1. Kamal, Ahmed; Srinivas, O.; Ramulu, P.; Ramesh, G.; Kumar, P. Praveen, Bioorg. Med. Chem. Lett., CODEN: BMCLE8, 14(15), <2004>, 4107 - 4112; BABS-6462175

L9 ANSWER 2 OF 4 BEILSTEIN COPYRIGHT 2005 BEILSTEIN MDL on STN

Beilstein Records (BRN):	9824167
Chemical Name (CN):	9-oxo-9,10-dihydro-acridine-4-carboxylic acid <2-(7-methoxy-5-oxo-2,3,5,11a-tetrahydro-1H-benzo<e>pyrrolo<1,2-a><1,4>diazepin-8-yloxy)-ethyl>-amide
Autonom Name (AUN):	9-oxo-9,10-dihydro-acridine-4-carboxylic acid <2-(7-methoxy-5-oxo-2,3,5,11a-tetrahydro-1H-benzo<e>pyrrolo<1,2-a><1,4>diazepin-8-yloxy)-ethyl>-amide
Molec. Formula (MF):	C29 H26 N4 O5
Molecular Weight (MW):	510.55
Lawson Number (LN):	29107, 27041, 3122, 289
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	8275088
Tautomer ID (TAUTID):	9203427
Entry Date (DED):	2005/01/21
Update Date (DUPD):	2005/01/21



Reference(s):

1. Kamal, Ahmed; Srinivas, O.; Ramulu, P.; Ramesh, G.; Kumar, P. Praveen, Bioorg. Med. Chem. Lett., CODEN: BMCLE8, 14(15), <2004>, 4107 - 4112; BABS-6462175

L9 ANSWER 3 OF 4 BEILSTEIN COPYRIGHT 2005 BEILSTEIN MDL on STN

Beilstein Records (BRN):	9823307
Chemical Name (CN):	acridine-4-carboxylic acid <3-(7-methoxy-5-oxo-2,3,5,11a-tetrahydro-1H-benzo<e>pyrrolo<1,2-a><1,4>diazepin-8-yloxy)-propyl>-amide
Autonom Name (AUN):	acridine-4-carboxylic acid <3-(7-methoxy-5-oxo-2,3,5,11a-tetrahydro-1H-benzo<e>pyrrolo<1,2-a><1,4>diazepin-8-yloxy)-propyl>-amide
Molec. Formula (MF):	C30 H28 N4 O4
Molecular Weight (MW):	508.58
Lawson Number (LN):	29107, 26432, 3131, 289
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
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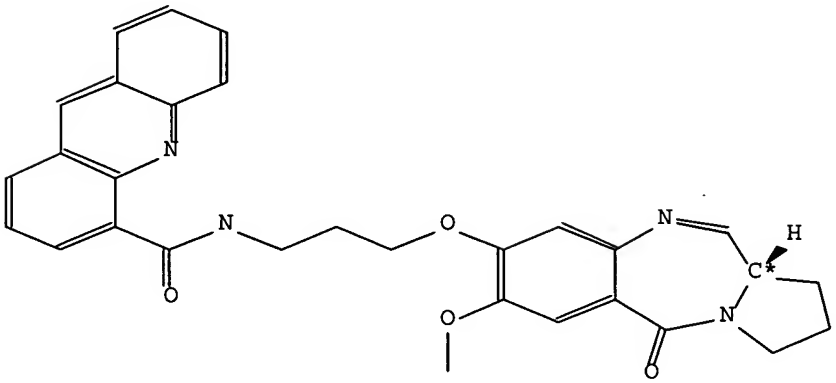
Tautomer ID (TAUTID):	9199876
Entry Date (DED):	2005/01/21
Update Date (DUPD):	2005/01/21

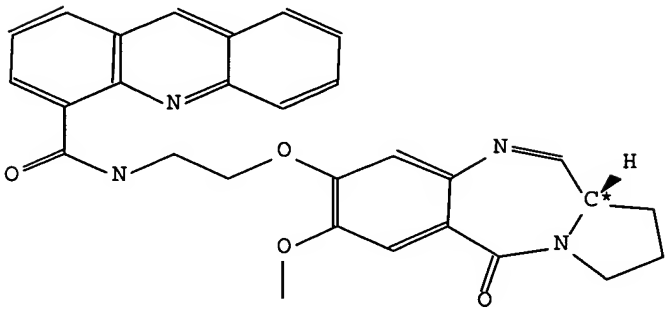


Reference(s):

1. Kamal, Ahmed; Srinivas, O.; Ramulu, P.; Ramesh, G.; Kumar, P. Praveen, Bioorg. Med. Chem. Lett., CODEN: BMCLE8, 14(15), <2004>, 4107 - 4112; BABS-6462175

L9 ANSWER 4 OF 4 BEILSTEIN COPYRIGHT 2005 BEILSTEIN MDL on STN

Beilstein Records (BRN):	9821565
Chemical Name (CN):	acridine-4-carboxylic acid <2-(7-methoxy-5-oxo-2,3,5,11a-tetrahydro-1H-benzo<e>pyrrolo<1,2-a><1,4>diazepin-8-yloxy)-ethyl>-amide
Autonom Name (AUN):	acridine-4-carboxylic acid <2-(7-methoxy-5-oxo-2,3,5,11a-tetrahydro-1H-benzo<e>pyrrolo<1,2-a><1,4>diazepin-8-yloxy)-ethyl>-amide
Molec. Formula (MF):	C29 H26 N4 O4
Molecular Weight (MW):	494.55
Lawson Number (LN):	29107, 26432, 3122, 289
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	8272807
Tautomer ID (TAUTID):	9198665
Entry Date (DED):	2005/01/21
Update Date (DUPD):	2005/01/21



Reference(s):

1. Kamal, Ahmed; Srinivas, O.; Ramulu, P.; Ramesh, G.; Kumar, P. Praveen, Bioorg. Med. Chem. Lett., CODEN: BMCLE8, 14(15), <2004>, 4107 - 4112; BABS-6462175

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L1              STR
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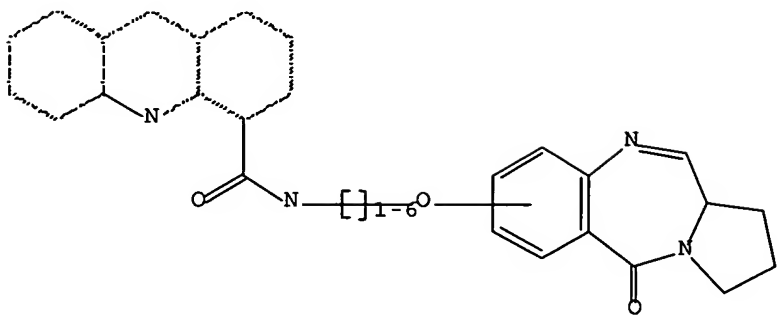

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L2              QUE L1
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L4            4 S L2 FUL

     FILE 'CAPLUS' ENTERED AT 16:56:45 ON 25 MAY 2005
L5            1 S L4

     FILE 'BEILSTEIN' ENTERED AT 16:57:09 ON 25 MAY 2005
L6            1 S L2
L7            4 S L2 FUL
L8            4 S L7 NOT L4
L9            4 S L7 NOT L5

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L11           0 S L2 FUL


COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                               0.00      -0.73

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